



## ABSTRACT

METHOD FOR FRACTIONATING RED BLOOD CELLS AND ANTIBACTERIAL  
5 MATERIALS OR BACTERIAL PROLIFERATION INHIBITORS PRODUCED  
THEREBY

10 A method for fractionating red blood cells of human blood  
into three fractions comprises following steps; (a)human blood  
sample is mixed with dextran aqueous solution and maintained  
stationarily for 60 to 75 min to fractionate this blood sample  
into three layers; (b)the upper, intermediate, and lower layer  
samples are individually separated and collected; and (c)the  
15 upper layer sample is treated with hypotonic solution for a  
short period and then added with hypertonic solution. Further  
the invention provides antibacterial or bacterial  
proliferation inhibitory material produced by the method. This  
method can easily fractionate three different blood fractions  
20 including red blood cells as a main component and having  
different functions. These three different fractions can be  
applied to several clinical tests such as antibacterial test  
and the like.